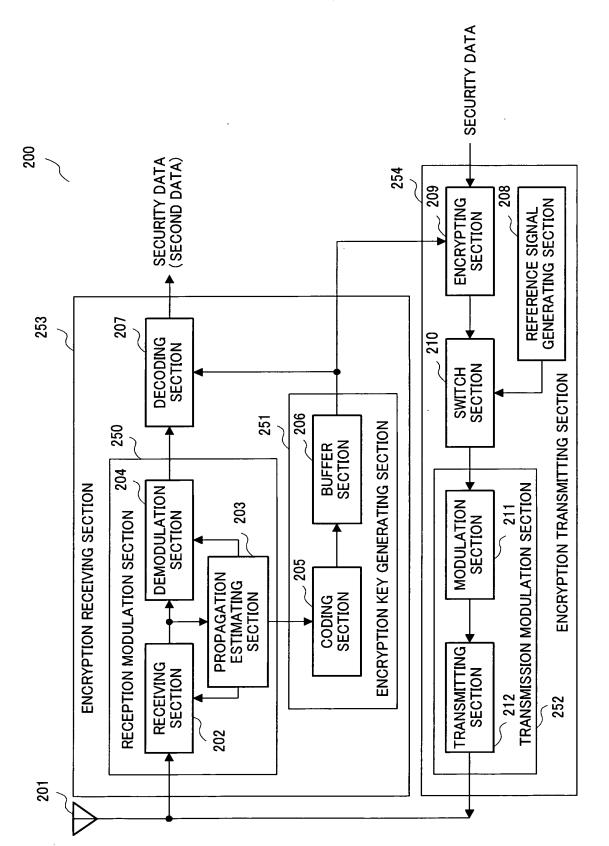


FIG.1



**FIG.2** 

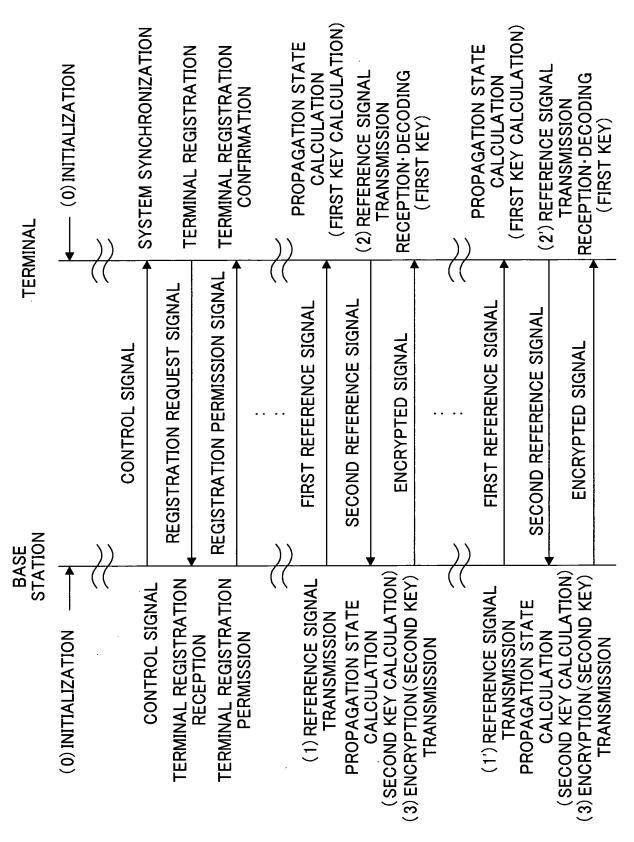


FIG.3

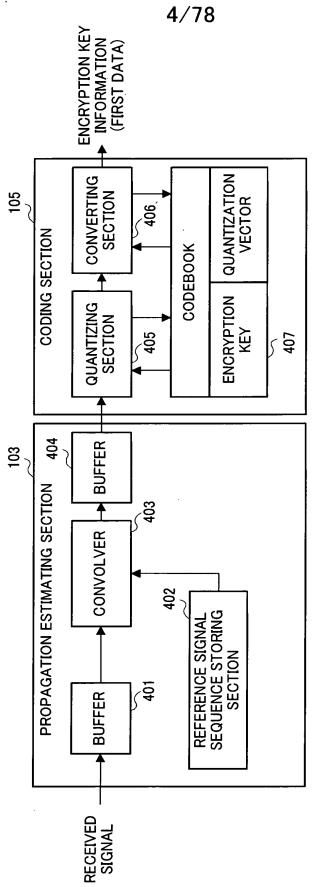
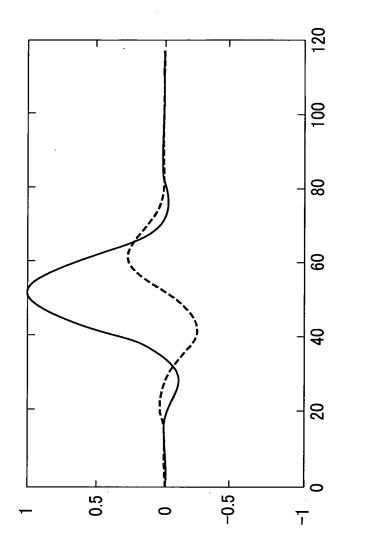
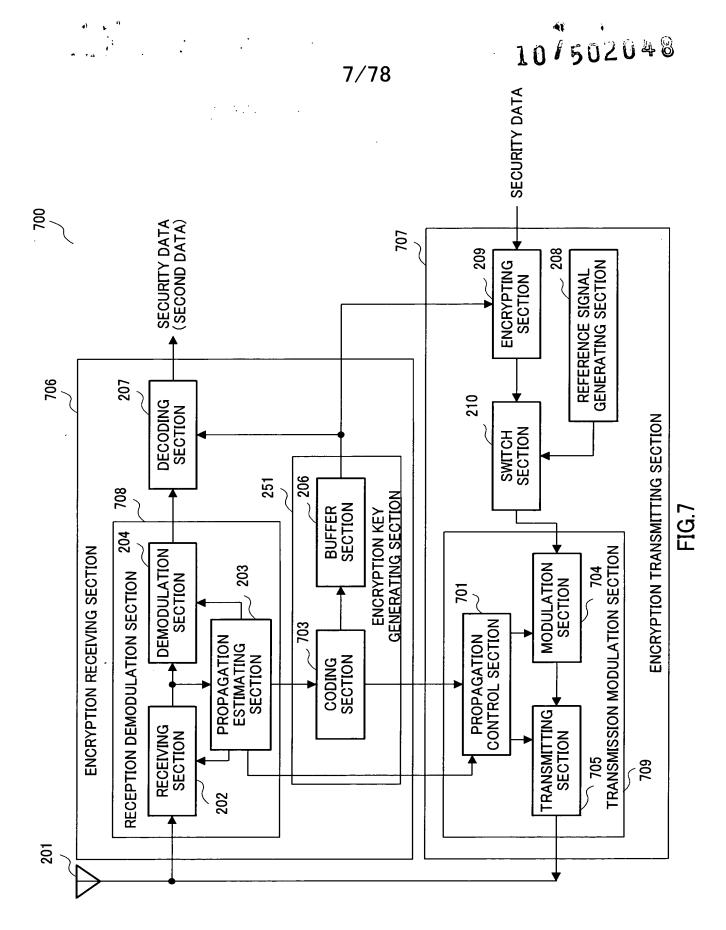
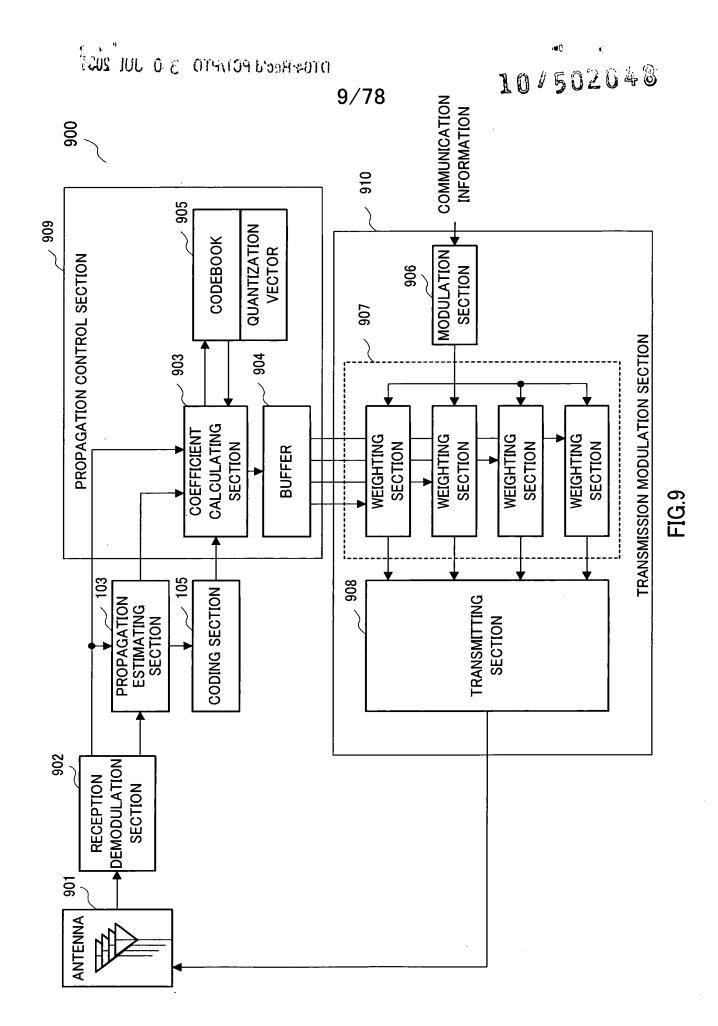


FIG.4

СОДЕВООК	ENCRYPTION KEY	aAnPoCgk	Yncwkopq	BemkingT	qCTuNVpz	RkPoCvvW	uCqDGwpo	LfUUfEzc	IlueGenc	
	QUANTIZATION VECTOR									







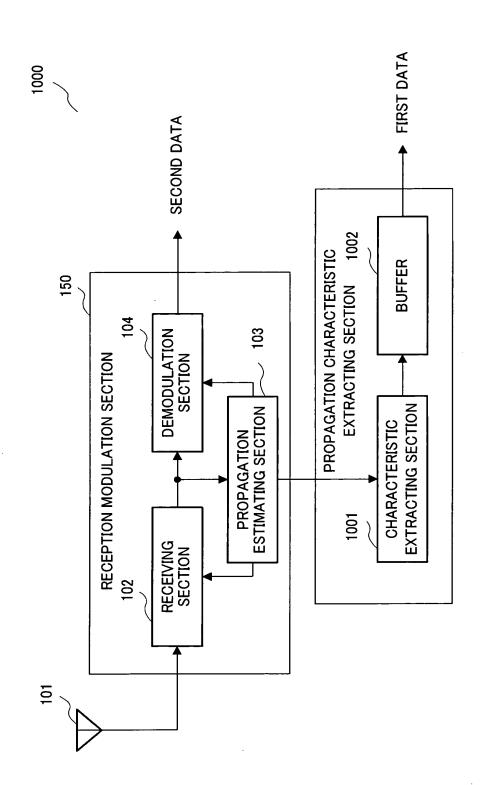


FIG.10

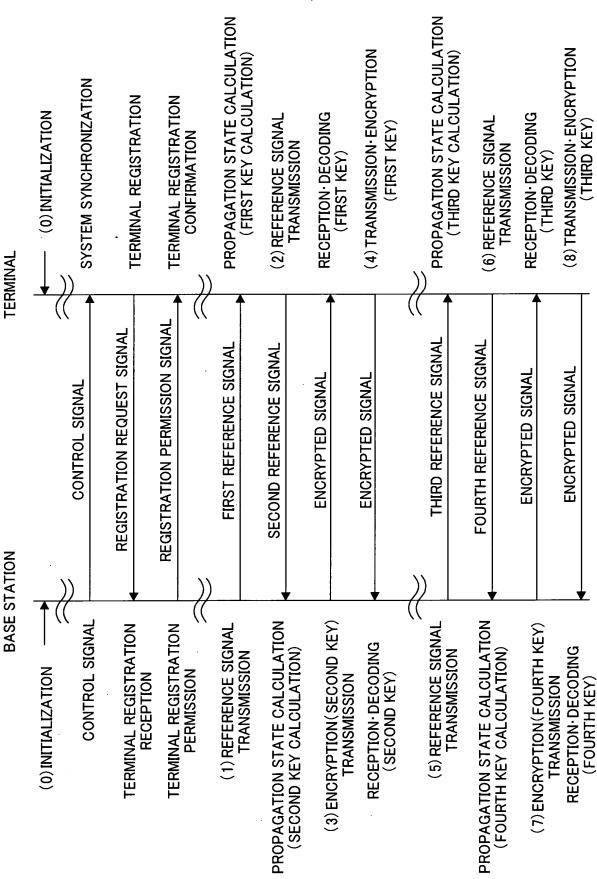


FIG. 11

FRAME STRUCTURE(a)

REFERENCE SIGNAL

(ENCRYPTED INFORMATION) DATA

(ENCRYPTED INFORMATION) DATA

REFERENCE SIGNAL

(ENCRYPTED INFORMATION)

2 10 m

FRAME STRUCTURE(b)

(ENCRYPTED INFORMATION)

REFERENCE SIGNAL

REFERENCE SIGNAL

(ENCRYPTED INFORMATION) DATA

REFERENCE SIGNAL

> FRAME STRUCTURE(c) (ENCRYPTED

DATA

REFERENCE SIGNAL (K2)

DATA

REFERENCE SIGNAL  $\Xi$ 

REFERENCE

DATA

SIGNAL (K3)

INFORMATION:K2) (ENCRYPTED

INFORMATION:K1)

(NFORMATION:K0) (ENCRYPTED

30	UPARION	h gan en ra	13/7	l	
(5a)	DATA (ENCRYPTED INFORMATION)	CONTROL FOR DATA COMMUNICATION	(36)	REFERENCE SIGNAL	PROPAGATION CONTROL FOR ENCRYPTION KEY
(4a)	REFERENCE	CONTROL FOR ENCRYPTION KEY		DATA (ENCRYPTED INFORMATION)	PROPAGATION CONTROL FOR DATA COMMUNICATION
(3a)	DATA (ENCRYPTED INFORMATION)	PROPAGATION CONTROL FOR DATA COMMUNICATION	(2b)	REFERENCE SIGNAL IN	PROPAGATION P CONTROL FOR CON
(2a)	DATA (ENCRYPTED INFORMATION)	PROPAGATION CONTROL FOR DATA COMMUNICATION	(1b)	DATA (ENCRYPTED INFORMATION)	PROPAGATION CONTROL FOR DATA COMMUNICATION
(1a)	REFERENCE SIGNAL	PROPAGATION CONTROL FOR ENCRYPTION KEY		REFERENCE SIGNAL	PROPAGATION CONTROL FOR ENCRYPTION KEY
	COMMUNICATION TRANSITION	CONTROL		COMMUNICATION	CONTROL

FIG. 13

And Bridge

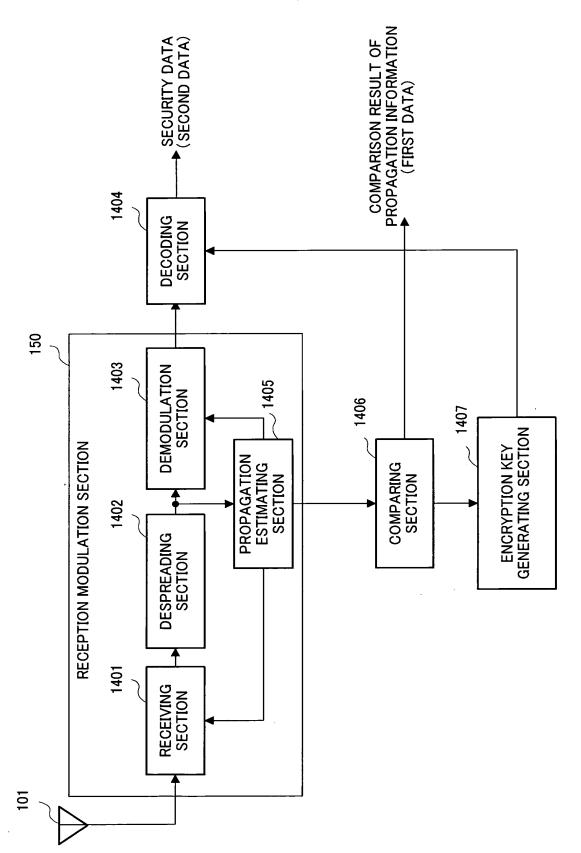
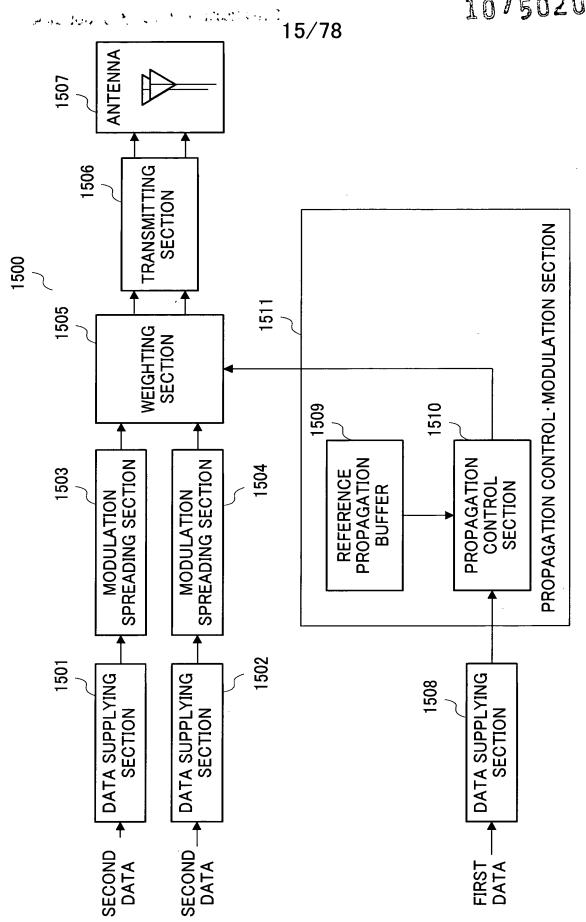


FIG.14



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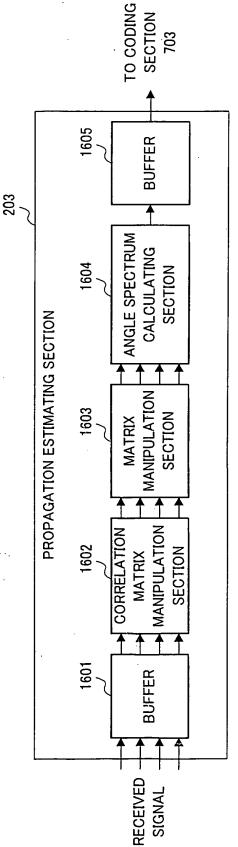
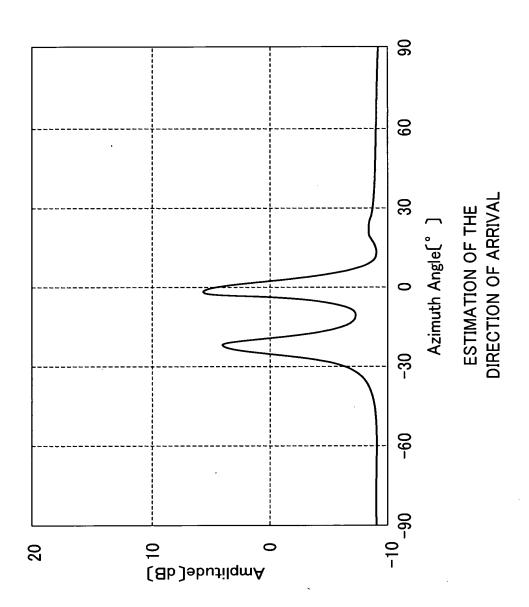
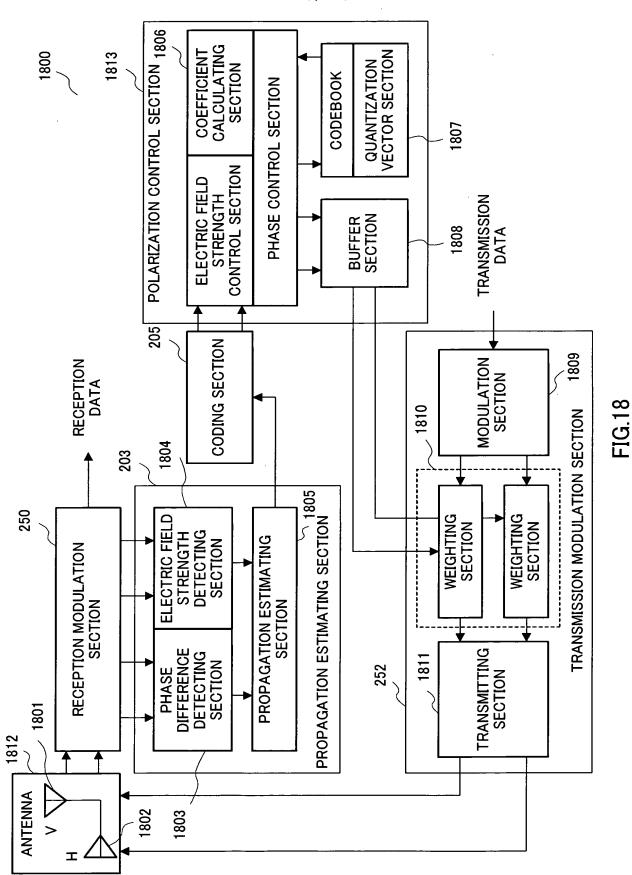
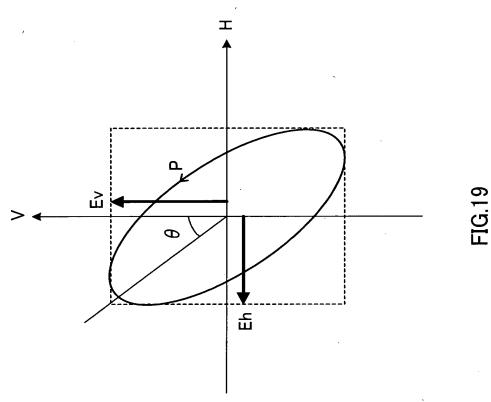


FIG. 16







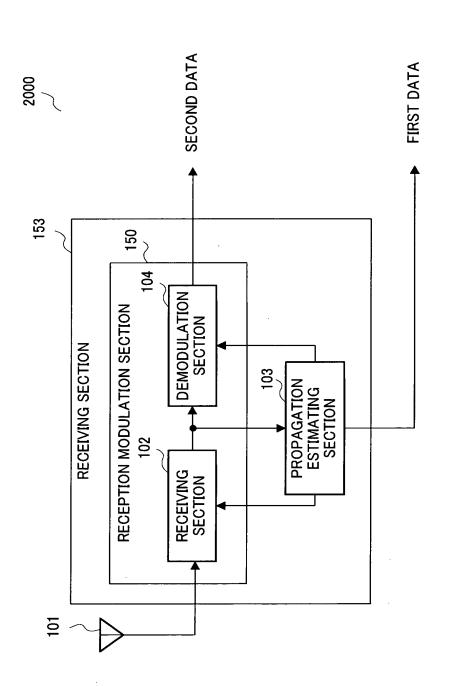
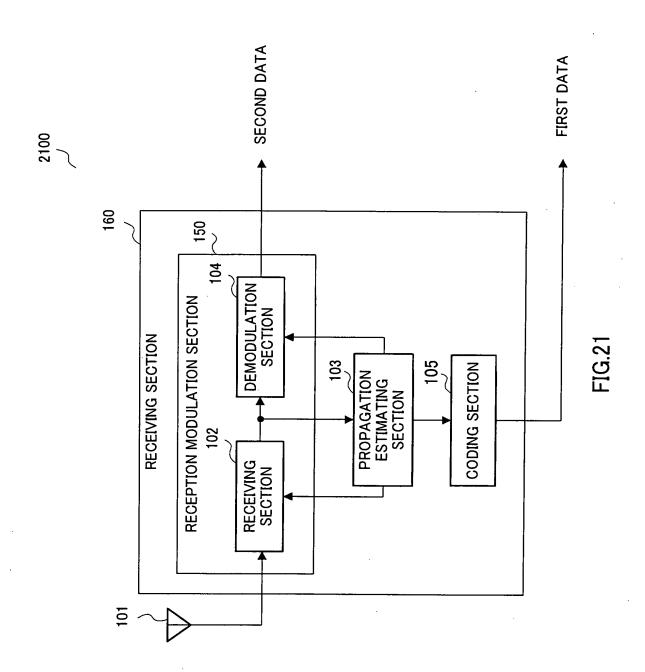


FIG.20

STATE OF SET SET



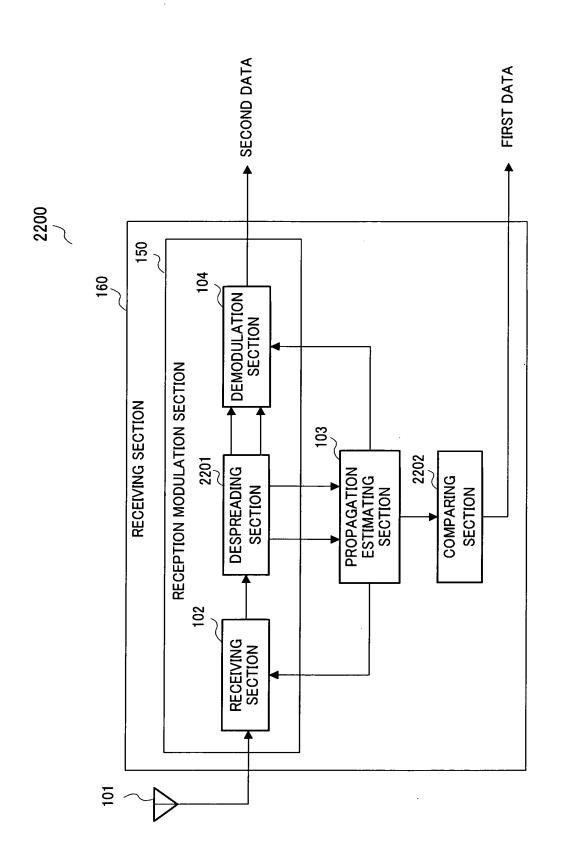
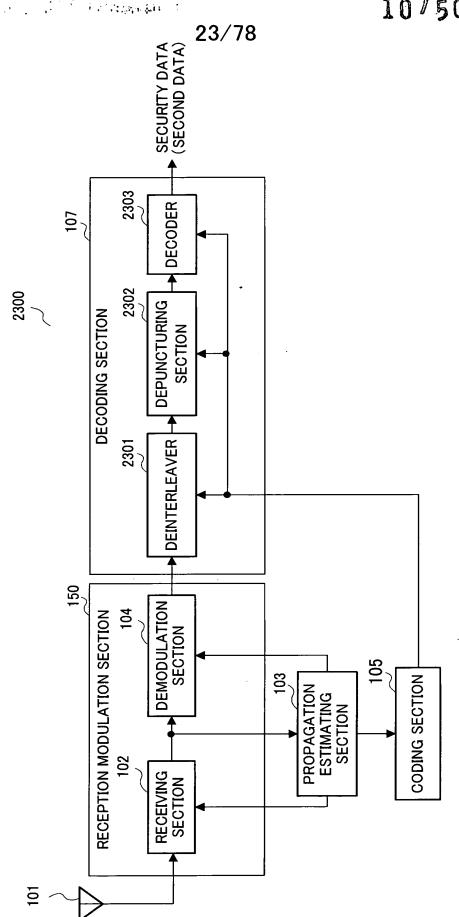
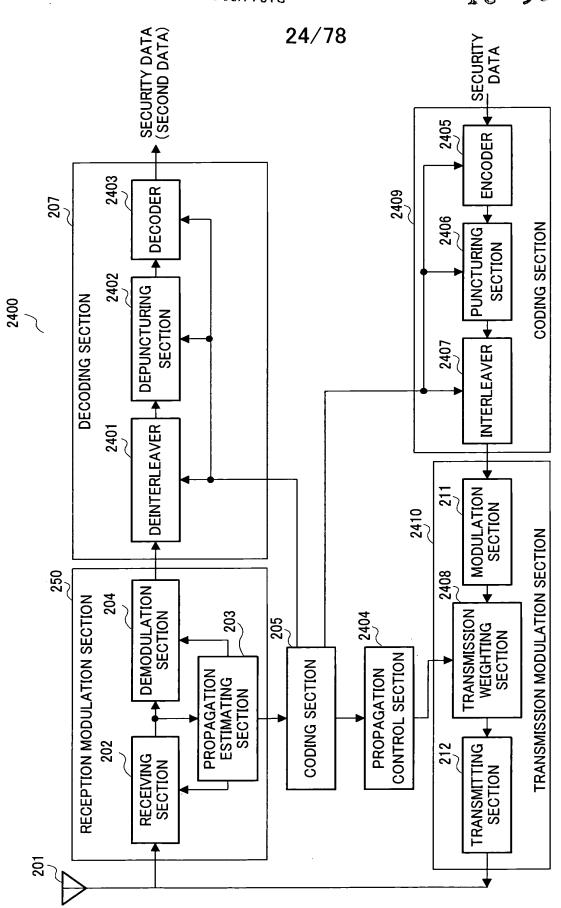


FIG.22







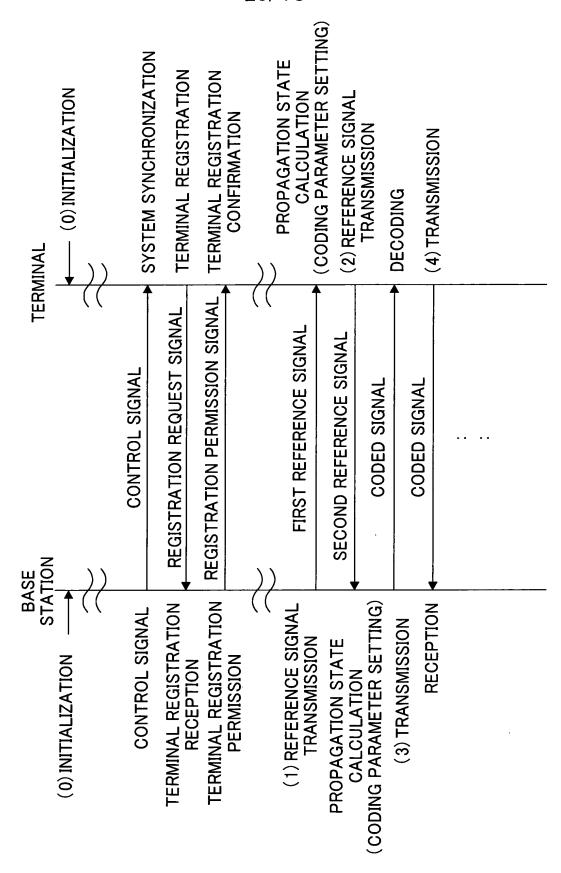
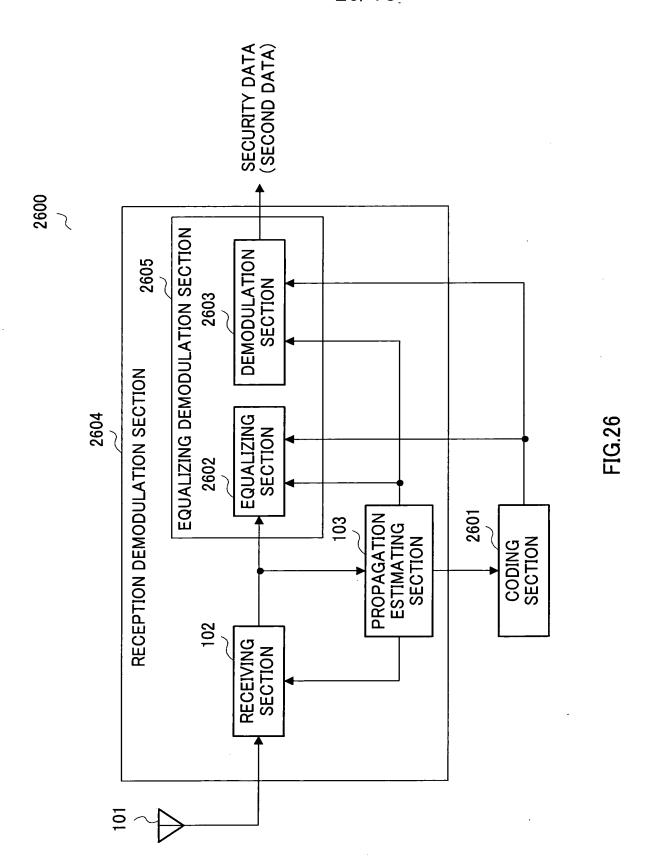


FIG.25



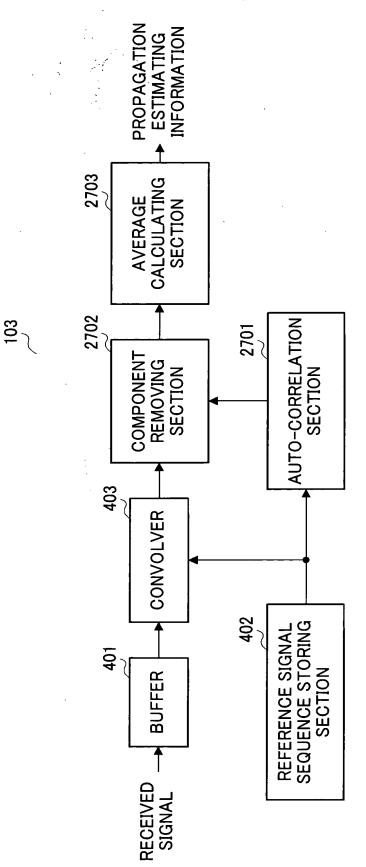
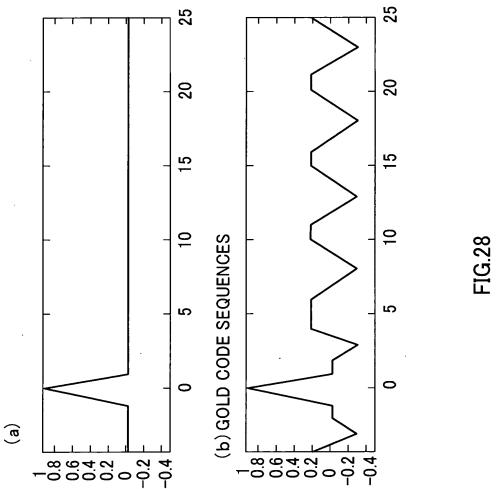
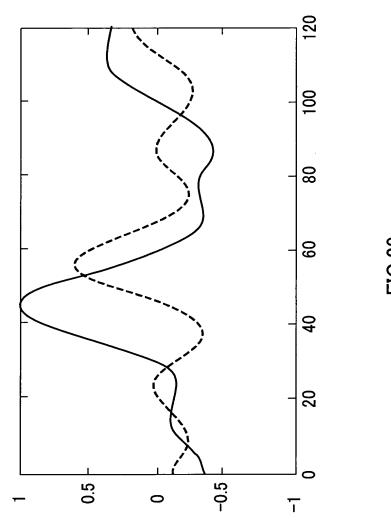
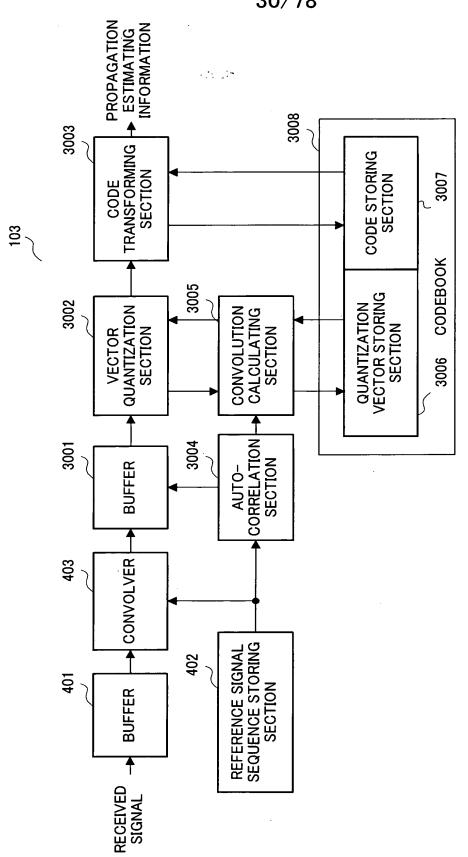


FIG.27







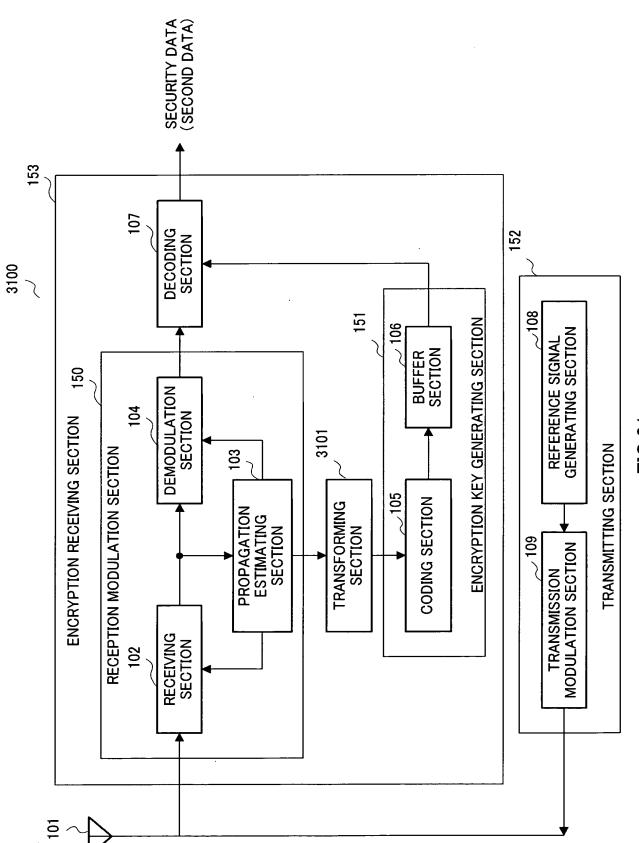


FIG.31

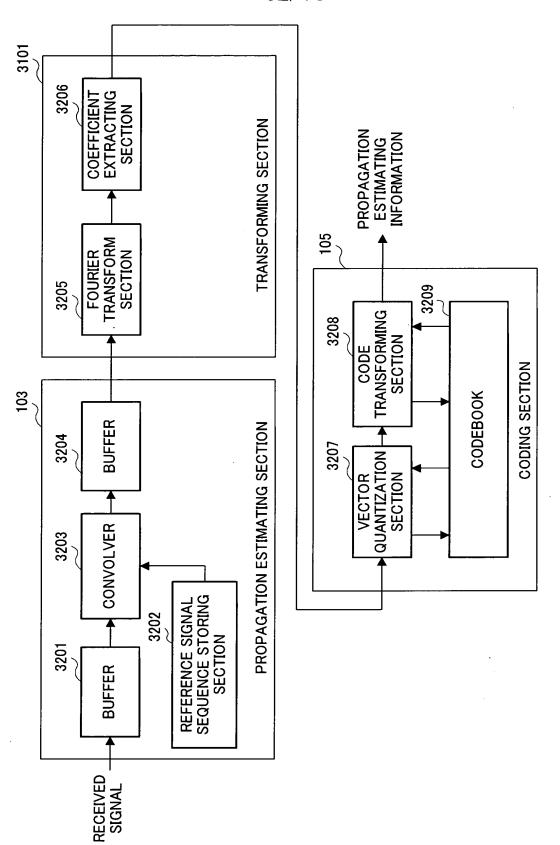


FIG.32

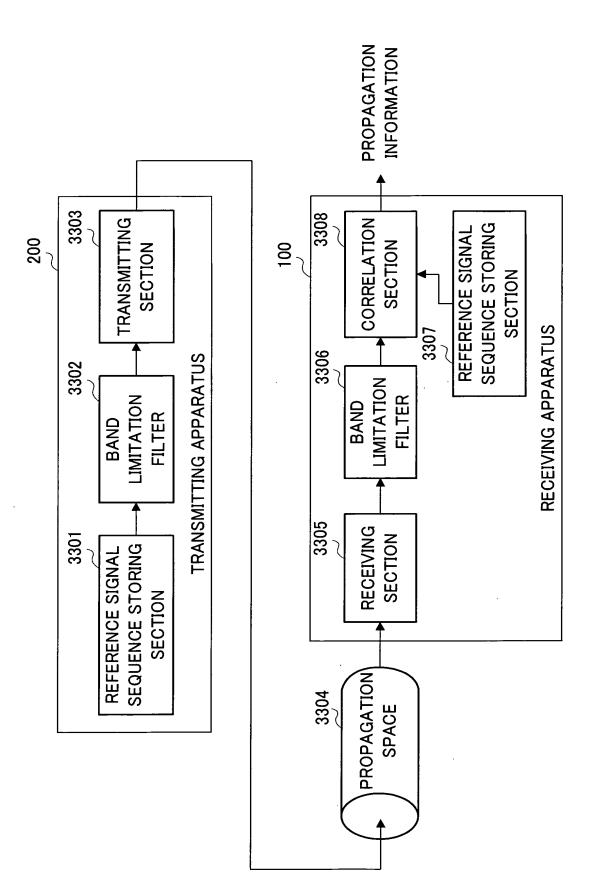
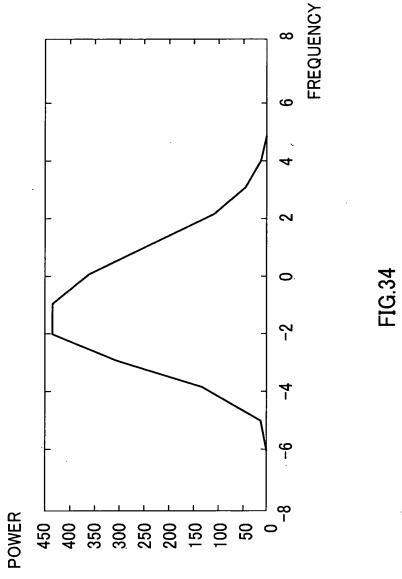
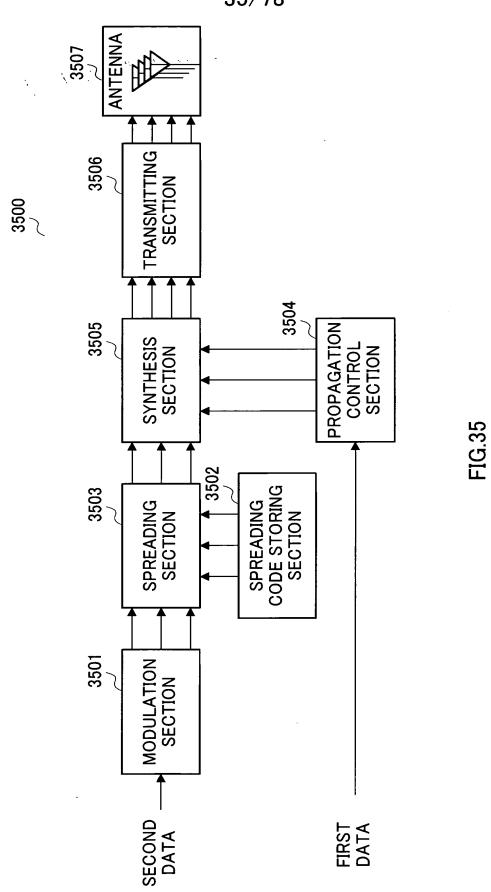


FIG.33





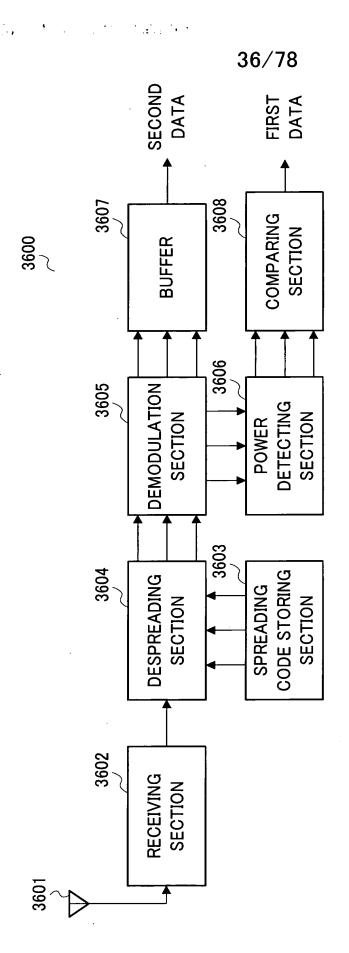


FIG.36

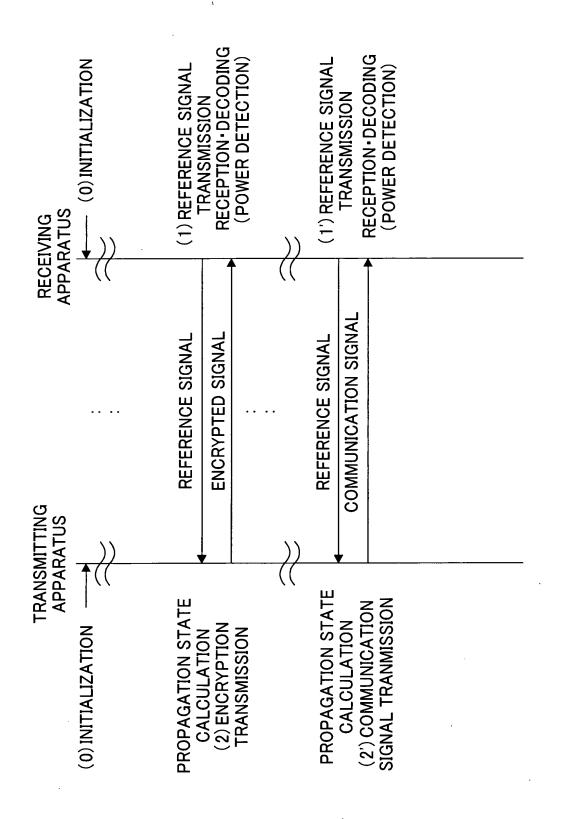
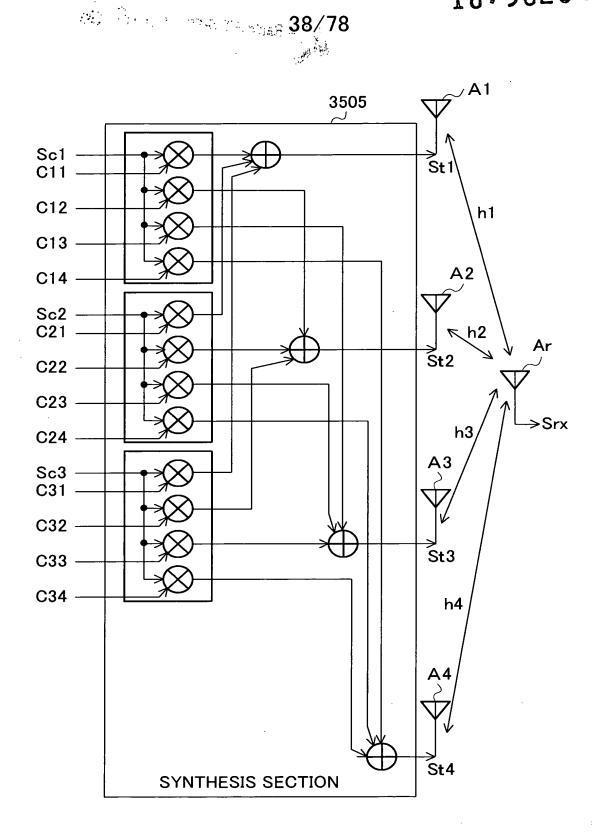


FIG.37



**FIG.38** 

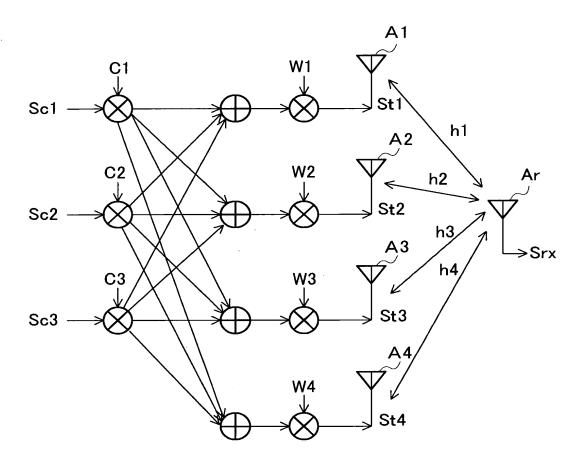
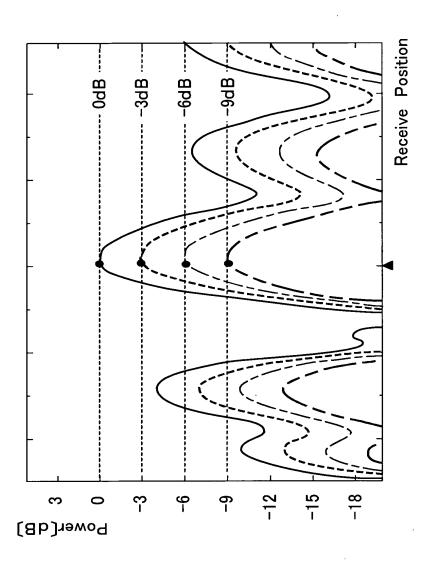
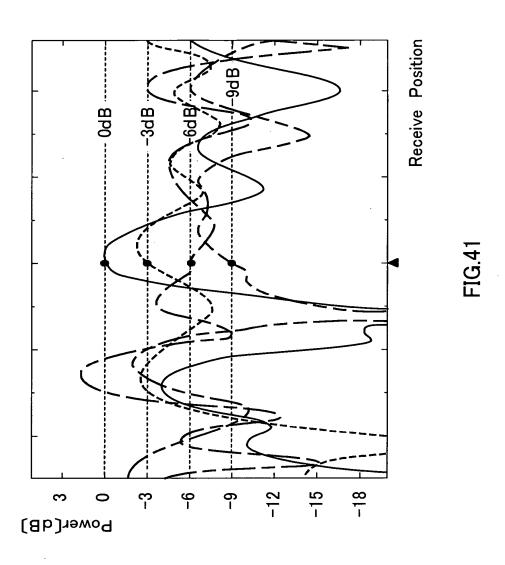
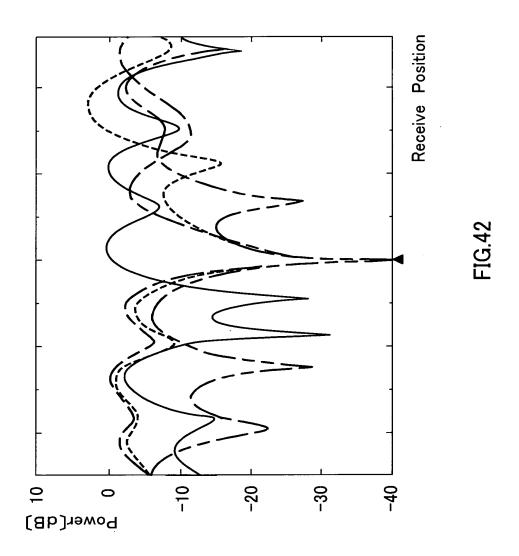


FIG.39







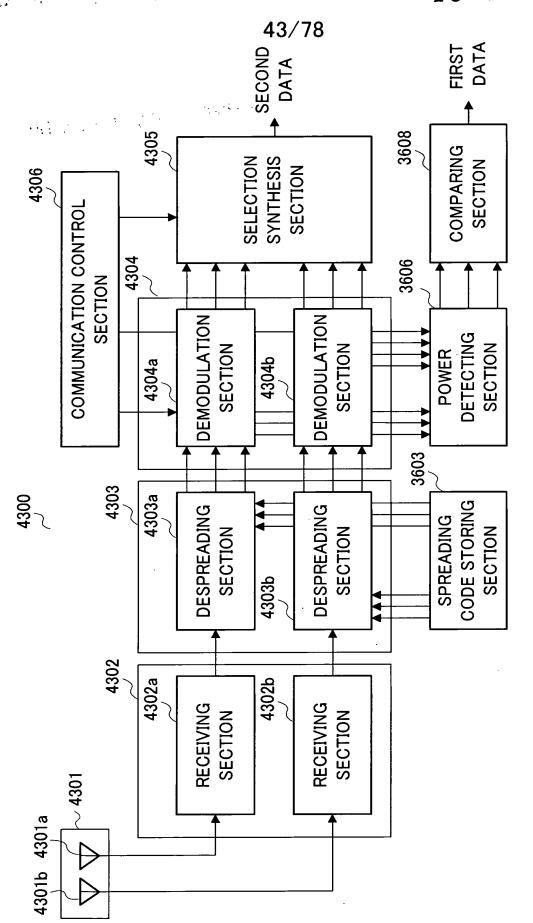


FIG.43

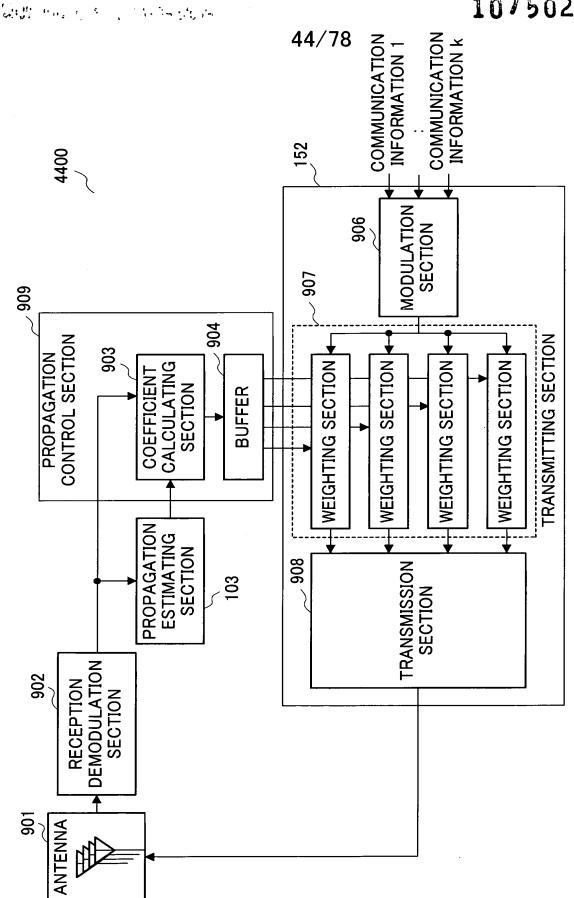


FIG.44

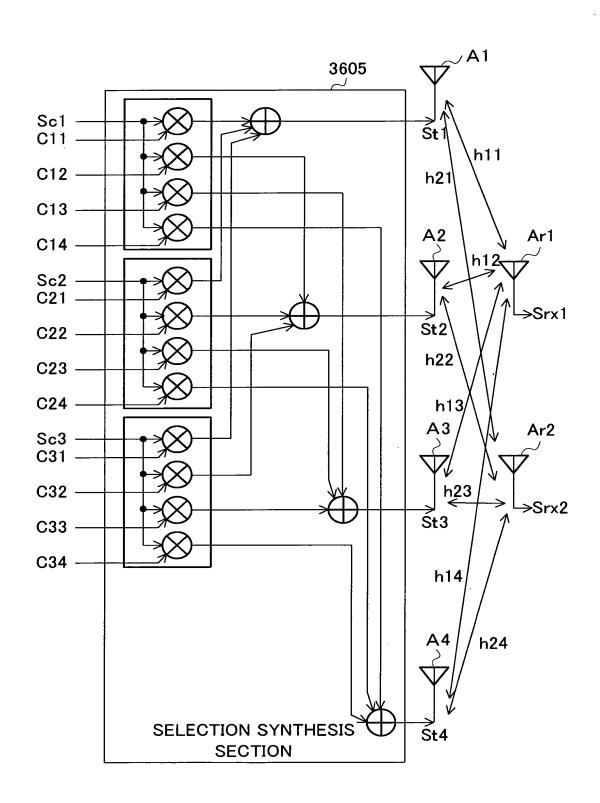


FIG.45

LEADER START START

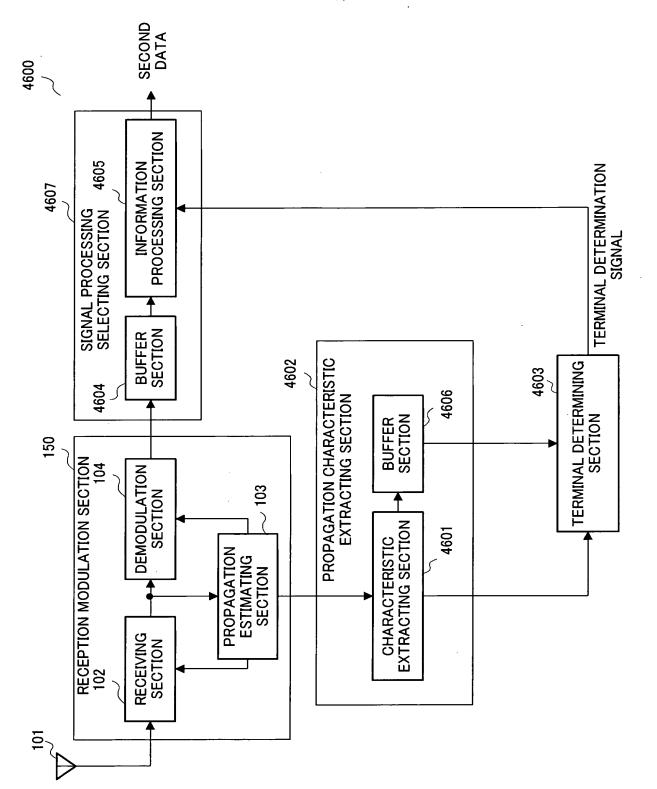


FIG.46

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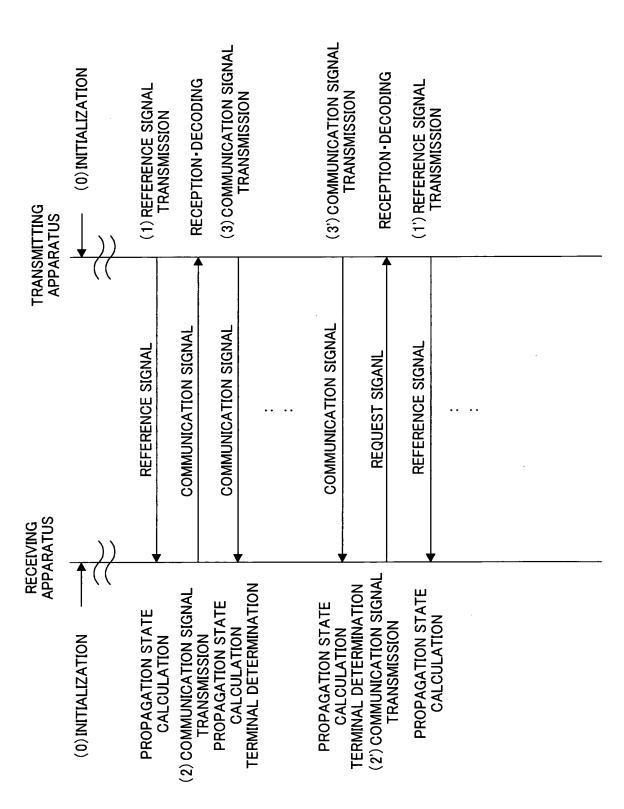


FIG.47

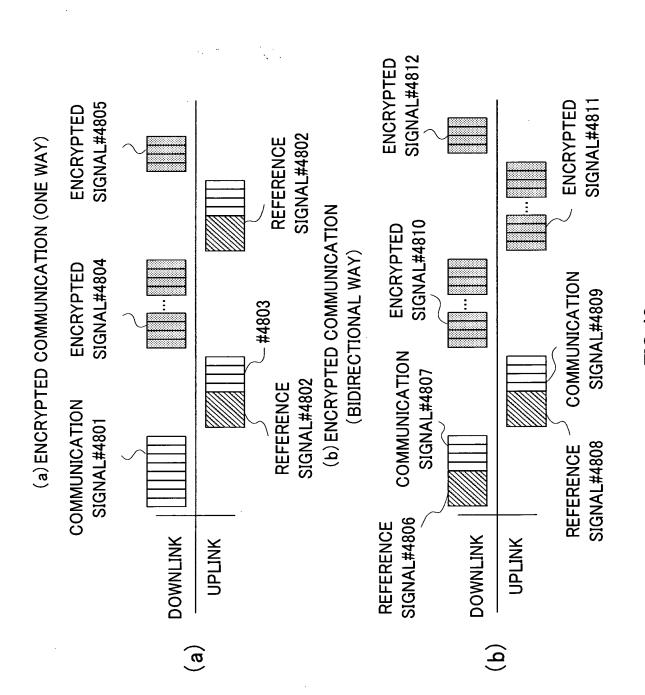
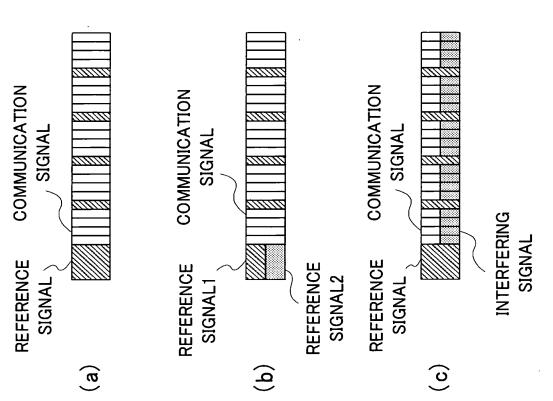


FIG.48



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(a) FRAME

DATAn	••	DATA2	DATA1
DATAn	•••	DATA2	DATA1
DATAn		DATA2	DATA1
DATAn		DATA2	DATA1
DATAn		DATA2	DATA1
	PILOT	SIGNAL	

## (b) FRAME STRUCTURE2

DATAn	DATAn	DATAn	DATAn	DATAn	DATAn
	••	:	•	•	•
DATA1	DATA1	DATA1	DATA1	DATA1	DATA1
PILOT SIGNAL	PILOT SIGNAL	PILOT SIGNAL	PILOT SIGNAL	PILOT SIGNAL	PILOT SIGNAL

## (c) FRAME STRUCTURE3

DATAn		PILOT SIGNALm		DATA1	PILOT SIGNAL1
<u>^</u>				Δ	PI SIG
DATAn	••	PILOT SIGNALm	••	DATA1	PILOT SIGNAL1
DATAn		PILOT SIGNALm		DATA1	PILOT SIGNAL1
DATAn	•	PILOT SIGNALm	•	DATA1	PILOT SIGNAL1
DATAn	•	PILOT SIGNALm		DATA1	PILOT SIGNAL1
DATAn		PILOT SIGNALm	••	DATA1	PILOT SIGNAL1

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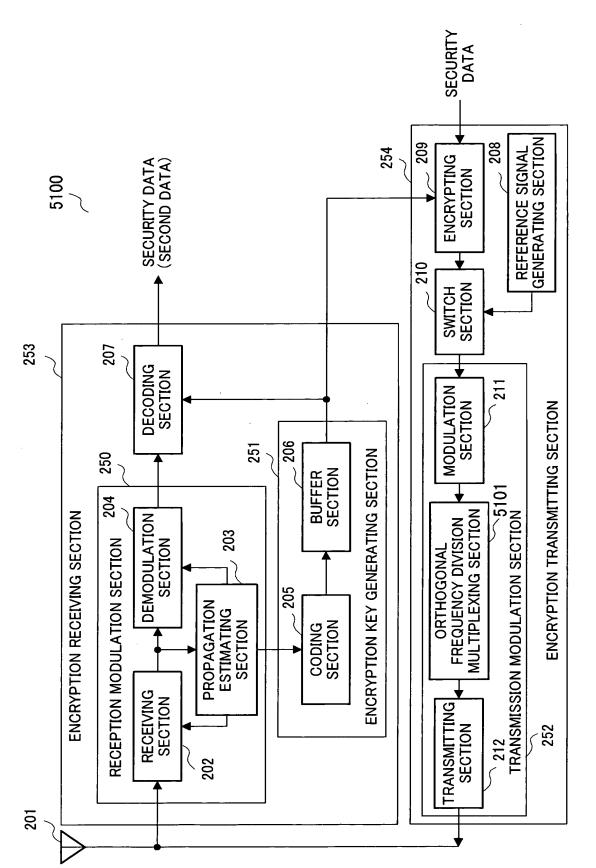
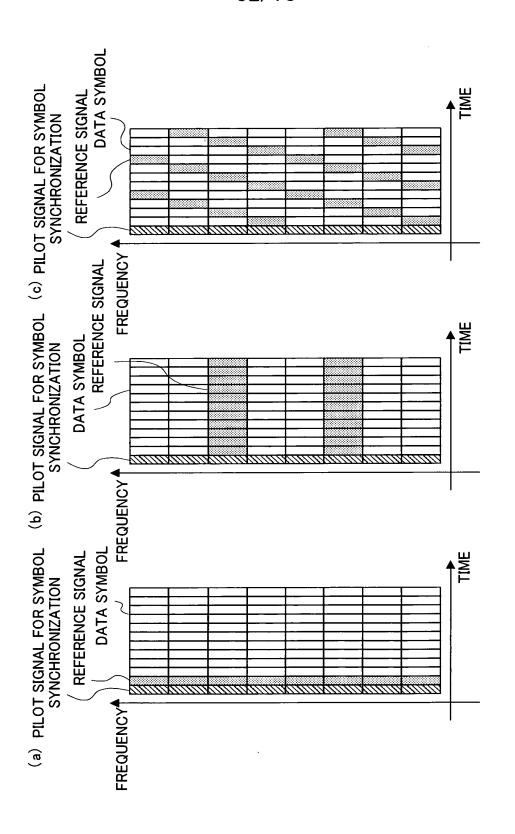


FIG.51

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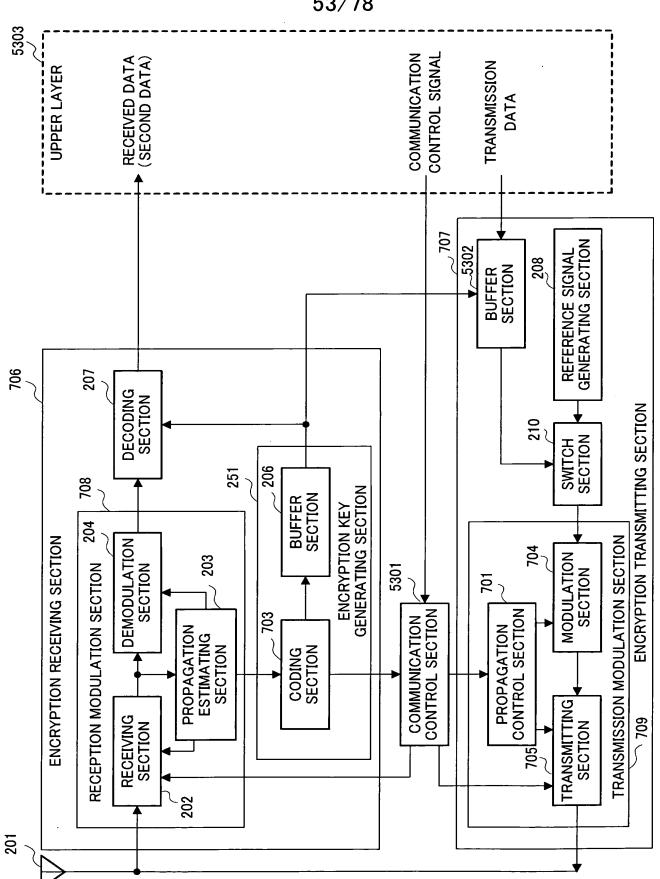


FIG.53

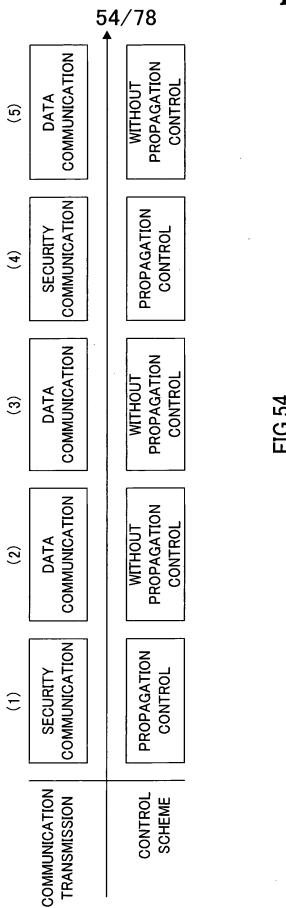


FIG.54

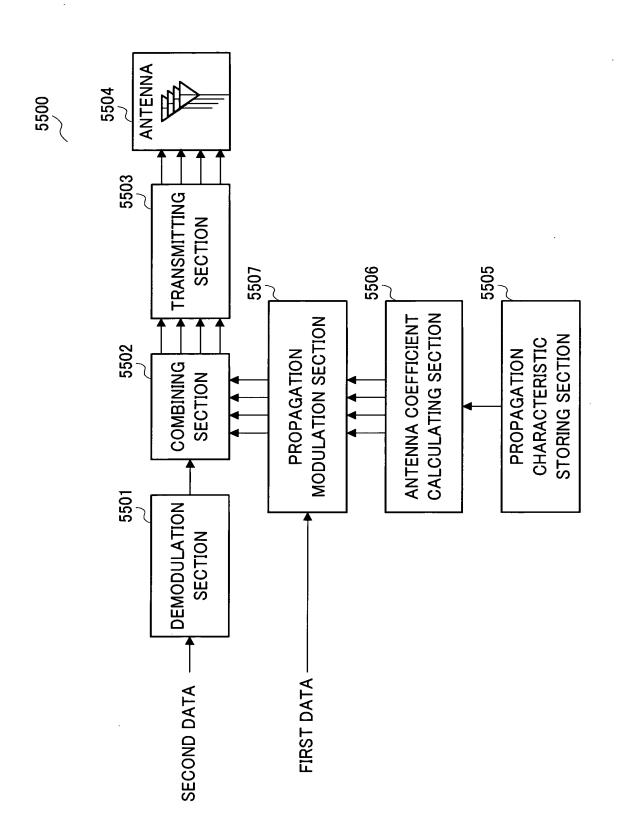


FIG.55

Sept and

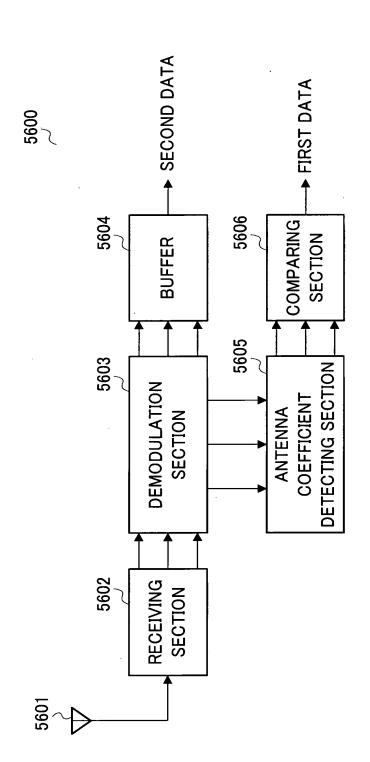
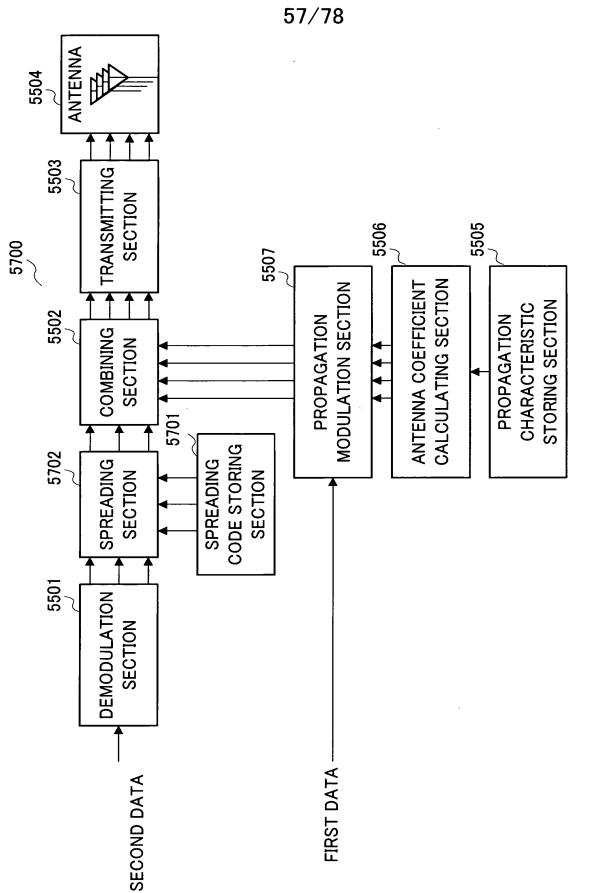


FIG.56



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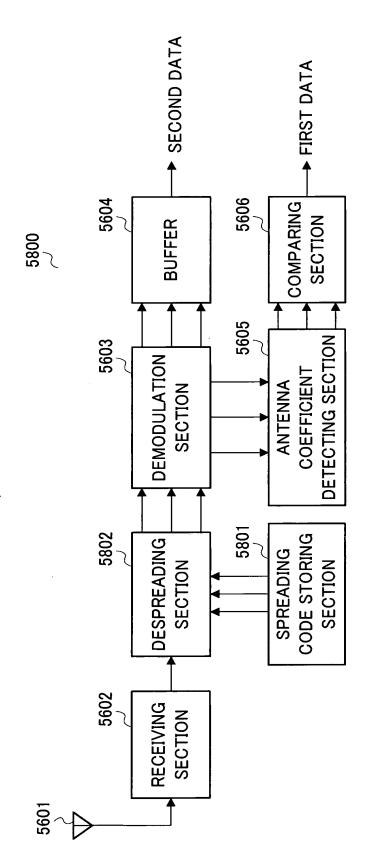
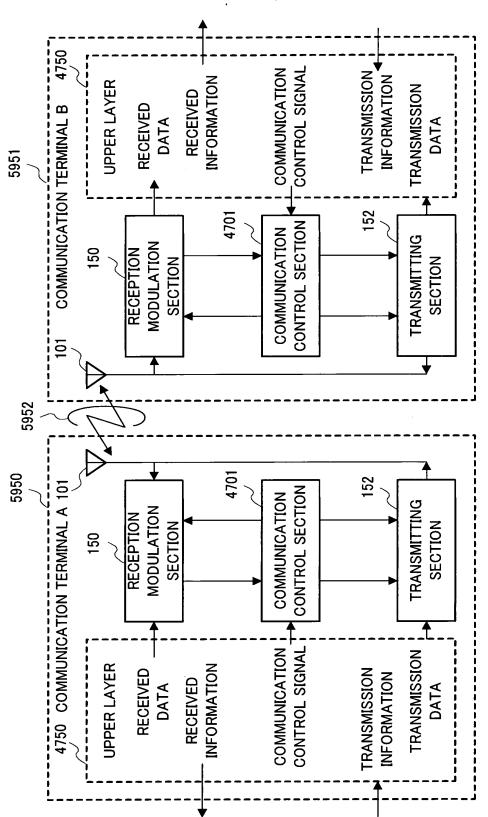


FIG.58



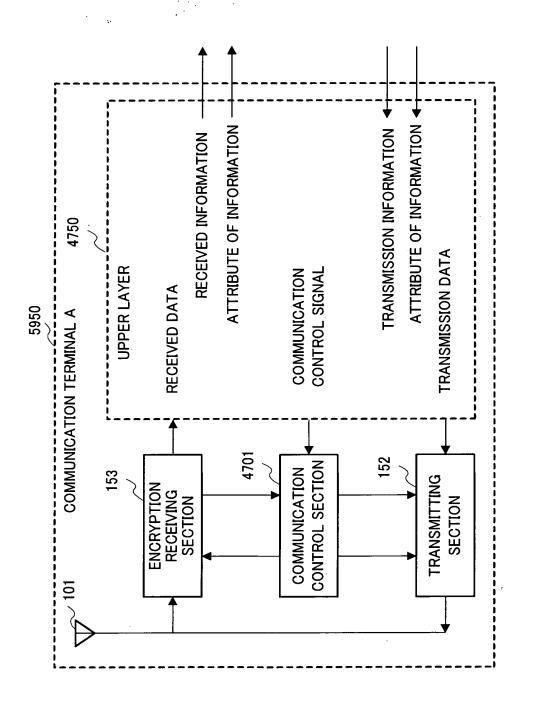
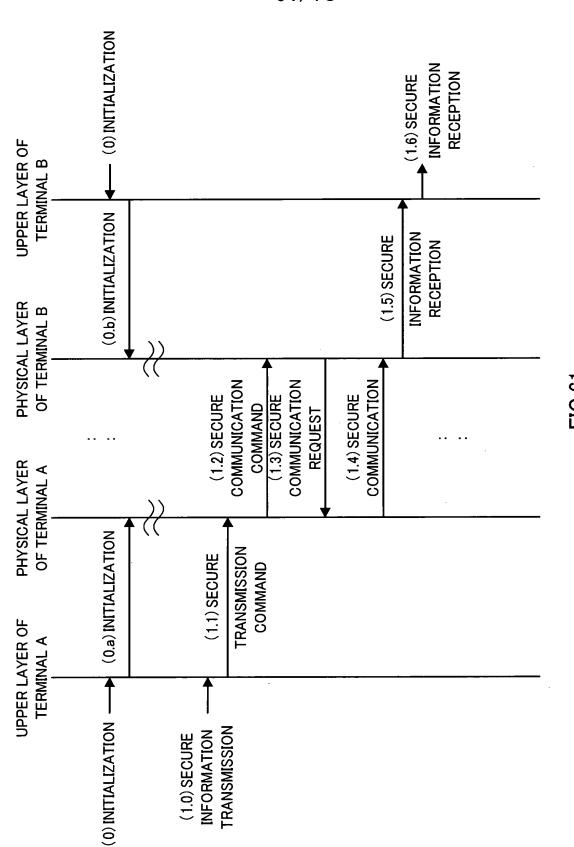
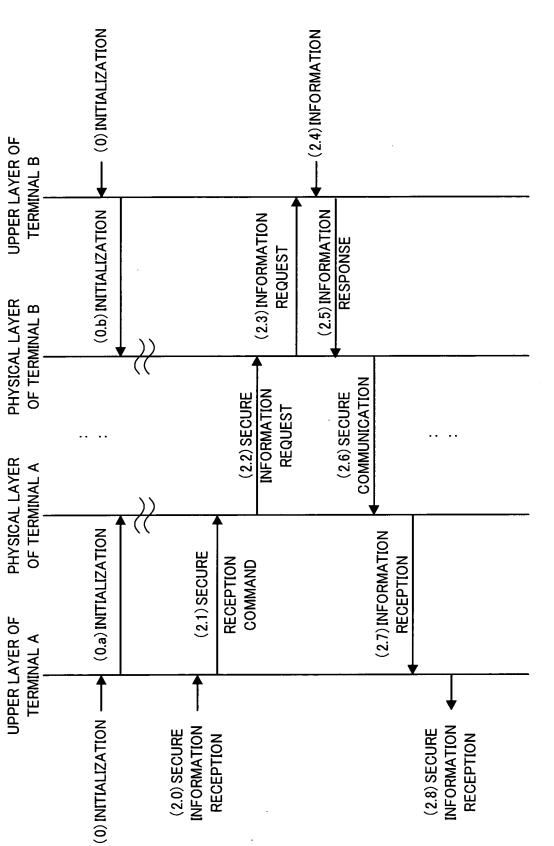
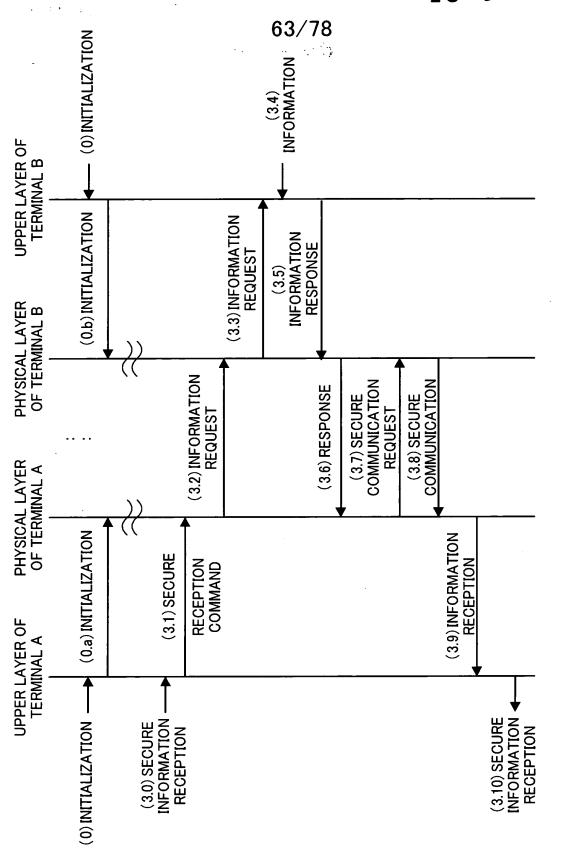


FIG.60









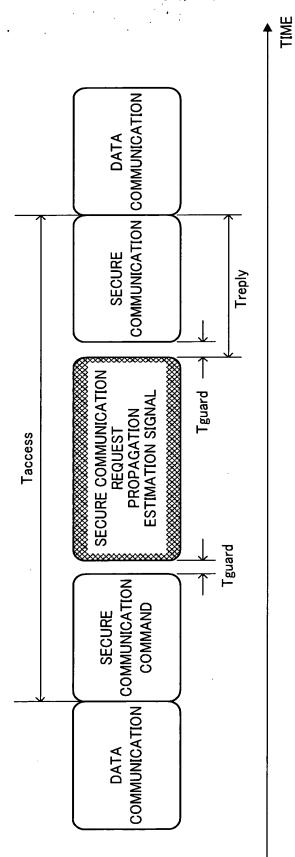


FIG.64

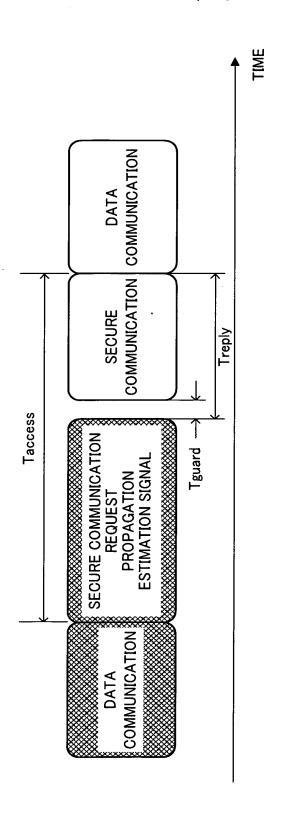


FIG.65

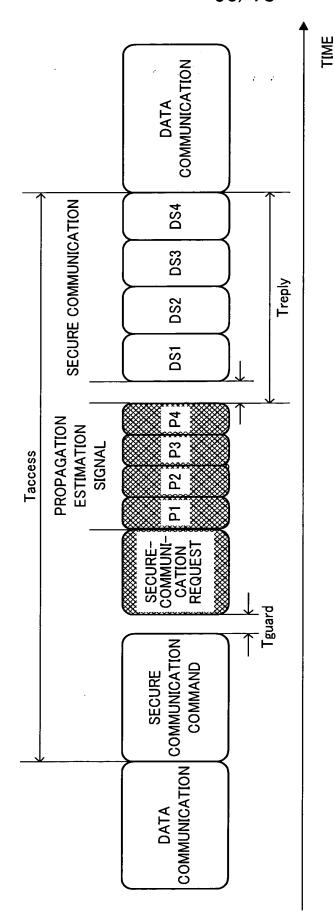
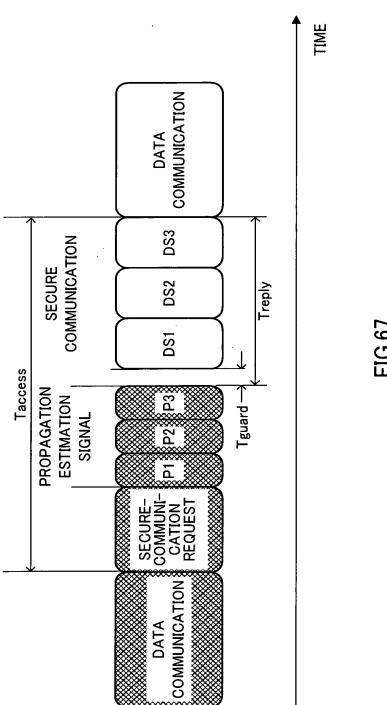


FIG.66



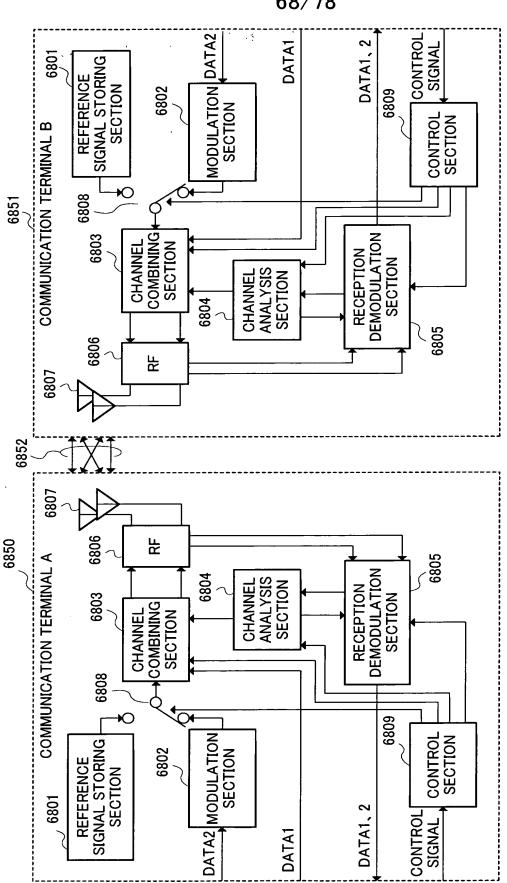
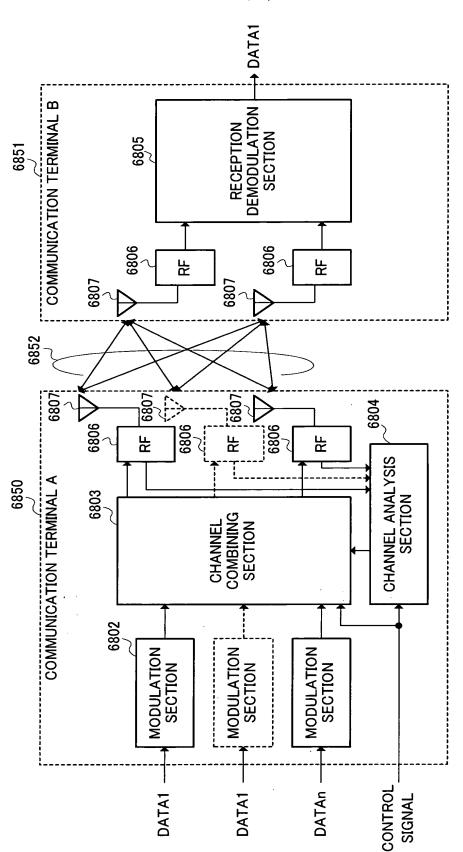


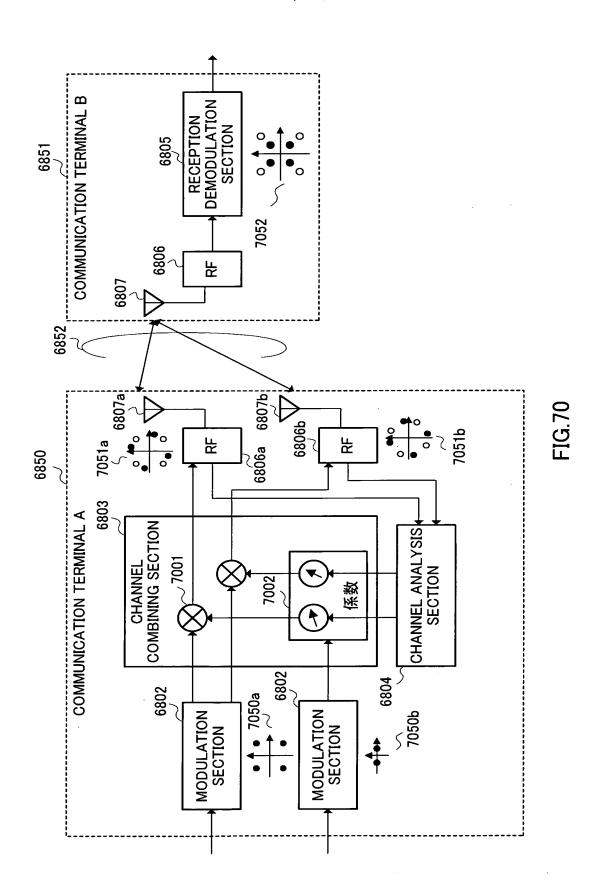
FIG.68

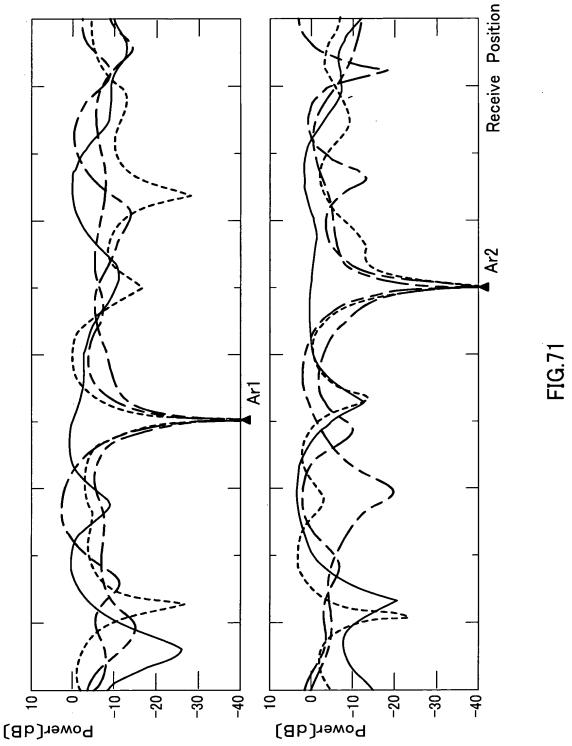
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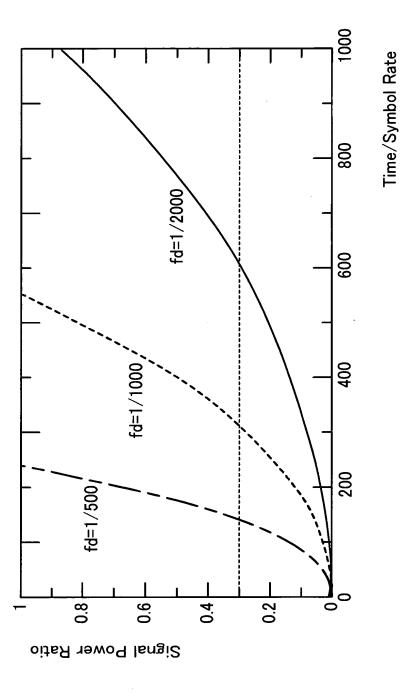
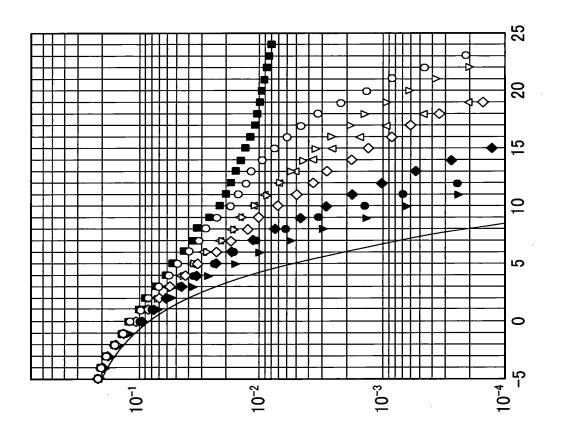
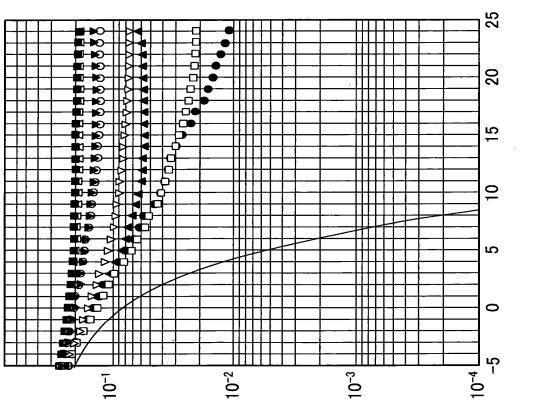


FIG.72



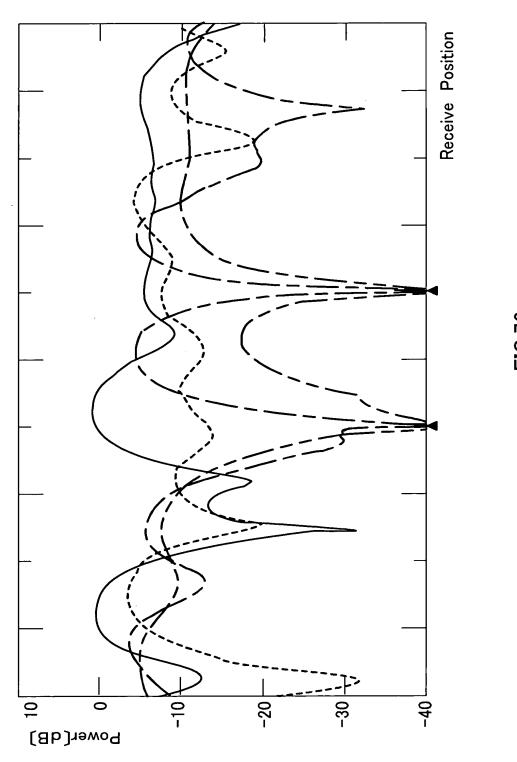
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P1	22 P3 P4	DS1	DS2	DS3	DS4
`		DS1=v11·d1+	DS2=v12·d1+	DS3=v13·d1+	DS4=v14·d1+
		v21·d2+v31·	v22·d2+v32·	v23·d2+v33·	v24·d2+v34•
ANTENNA1	ANTENNA3	d3+v41·d4	d3+v42·d4	d3+v43·d4	d3+v44·d4
ANTE	ANTENNA2 ANTENNA4				

FIG.75



·IG. /6

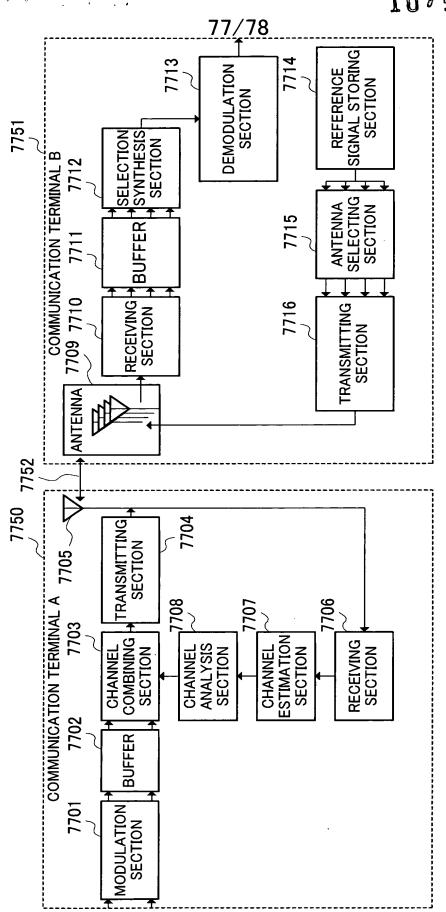
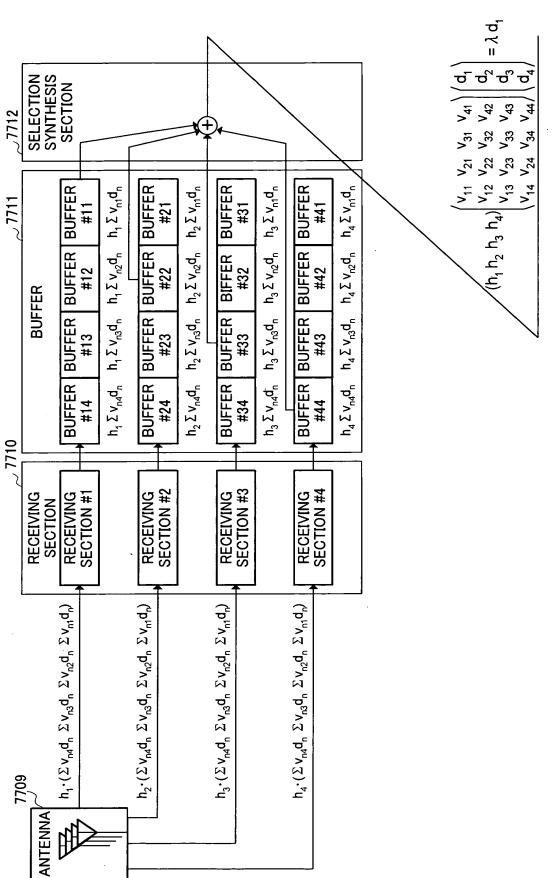


FIG.77



-IG. /8